

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101922\
 Data File : VX032206.D
 Acq On : 19 Oct 2022 14:31
 Operator : JC/MD
 Sample : VX1019MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1019MBL01

Quant Time: Oct 19 16:56:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 19 16:51:09 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

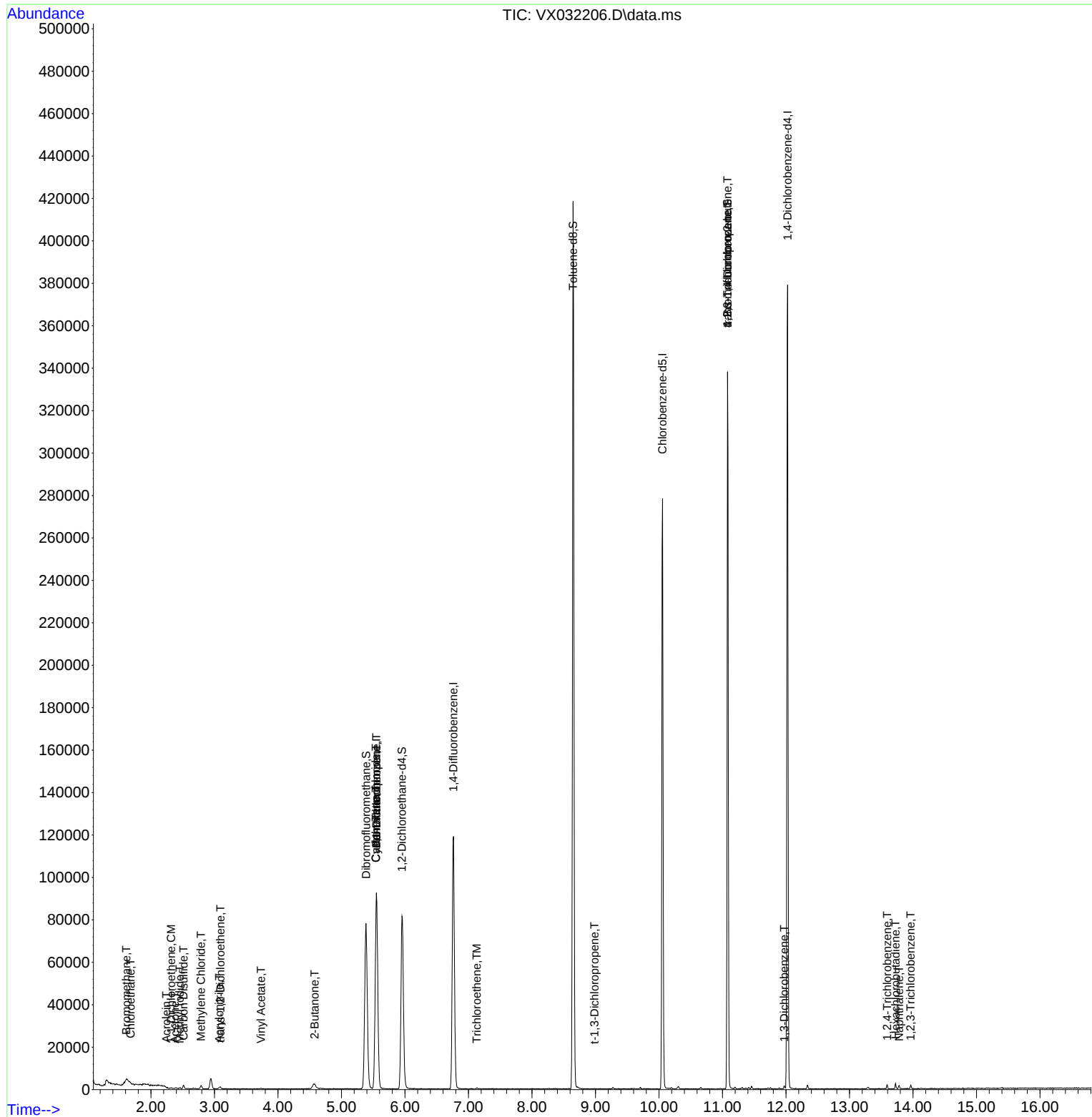
Internal Standards						
1) Pentafluorobenzene	5.550	168	88120	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	122128	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	125650	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	78272	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	80082	69.858	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 139.720%#			
35) Dibromofluoromethane	5.385	113	65629	77.224	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 154.440%#			
50) Toluene-d8	8.647	98	245660	80.302	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 160.600%#			
62) 4-Bromofluorobenzene	11.079	95	82905	74.007	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 148.020%#			
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	323	Below Cal	#	44
5) Bromomethane	1.612	94	353	0.388	ug/l	92
6) Chloroethane	1.679	64	98	2.061	ug/l #	41
10) Methyl Iodide	2.453	142	396	0.327	ug/l #	84
11) Tert butyl alcohol	2.947	59	2857	Below Cal	#	74
12) 1,1-Dichloroethene	2.319	96	174	0.221	ug/l #	18
13) Acrolein	2.240	56	62	0.444	ug/l #	9
15) Acrylonitrile	3.075	53	356	0.828	ug/l	90
16) Acetone	2.380	43	481	1.293	ug/l #	44
17) Carbon Disulfide	2.514	76	1899	1.031	ug/l	98
20) Methylene Chloride	2.788	84	726	0.760	ug/l #	88
21) trans-1,2-Dichloroethene	3.093	96	380	0.444	ug/l	92
23) Vinyl Acetate	3.733	43	593	0.274	ug/l #	71
25) 2-Butanone	4.574	43	567	0.976	ug/l #	48
31) Cyclohexane	5.544	56	1940	1.480	ug/l #	51
36) 1,1-Dichloropropene	5.550	75	6517	5.961	ug/l #	49
38) Carbon Tetrachloride	5.544	117	8853	7.671	ug/l #	18
44) Trichloroethene	7.129	130	197	0.226	ug/l	59
53) t-1,3-Dichloropropene	8.982	75	155	1.939	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	43500	28.048	ug/l #	45
81) trans-1,4-Dichloro-2-b...	11.079	75	43500	86.013	ug/l #	6
87) 1,3-Dichlorobenzene	11.970	146	530	0.201	ug/l	92
93) 1,2,4-Trichlorobenzene	13.591	180	584	0.347	ug/l	96
94) Hexachlorobutadiene	13.725	225	410	0.561	ug/l	78
95) Naphthalene	13.780	128	1625	0.301	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.963	180	632	0.373	ug/l	79

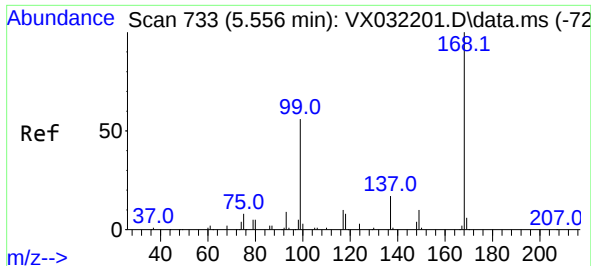
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101922\
Data File : VX032206.D
Acq On : 19 Oct 2022 14:31
Operator : JC/MD
Sample : VX1019MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1019MBL01

Quant Time: Oct 19 16:56:17 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 19 16:51:09 2022
Response via : Initial Calibration

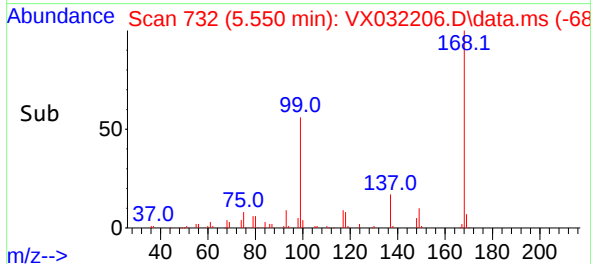
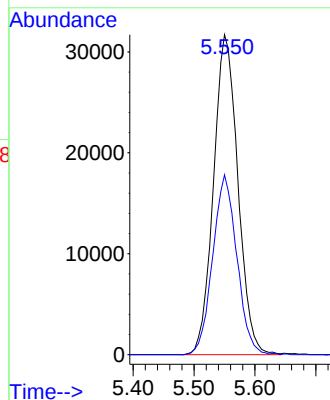
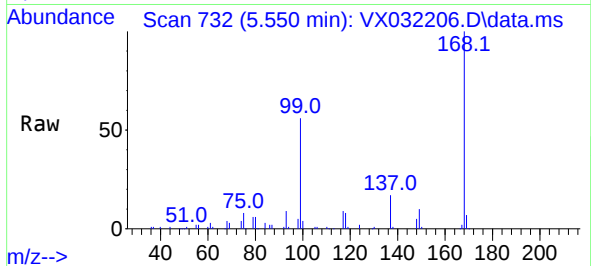




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX032206.D
Acq: 19 Oct 2022 14:31

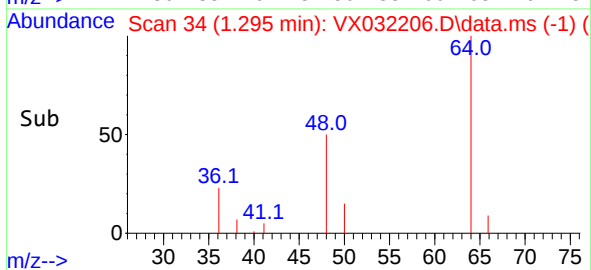
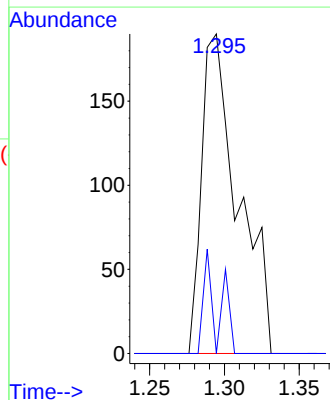
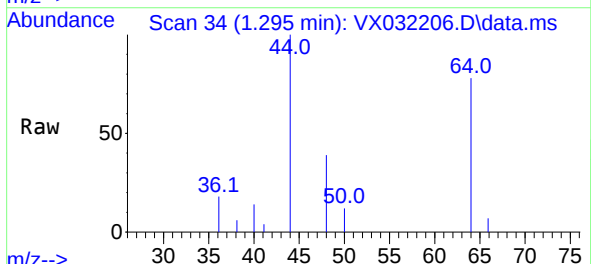
Instrument :
MSVOA_X
ClientSampleId :
VX1019MBL01

Tgt Ion:168 Resp: 88120
Ion Ratio Lower Upper
168 100
99 56.2 44.8 67.2

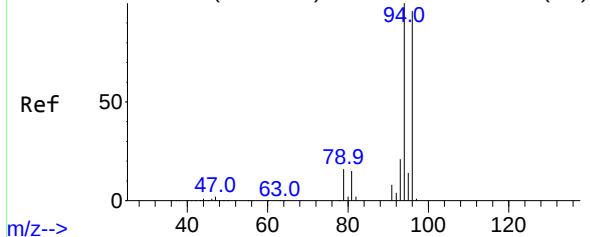


#3
Chloromethane
Concen: Below Cal
RT: 1.295 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX032206.D
Acq: 19 Oct 2022 14:31

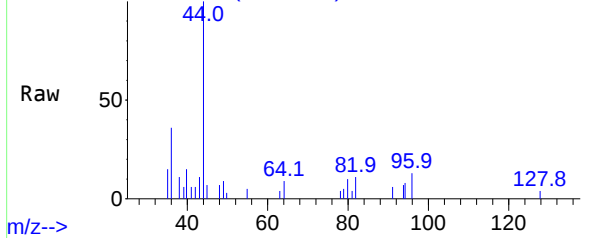
Tgt Ion: 50 Resp: 323
Ion Ratio Lower Upper
50 100
52 0.0 24.7 37.1#



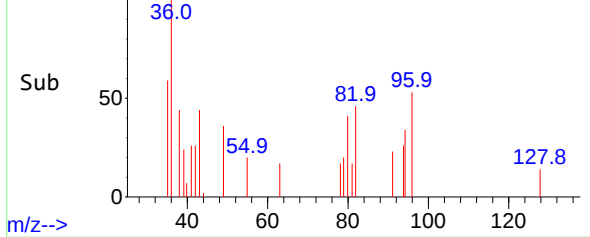
Abundance Scan 86 (1.612 min): VX032201.D\data.ms (-81)



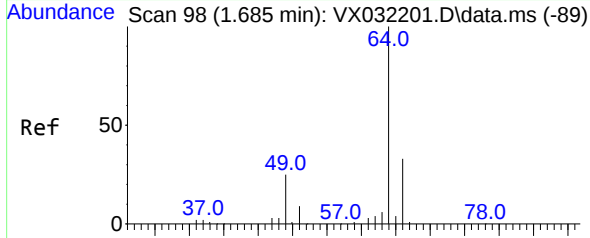
m/z--> Scan 86 (1.612 min): VX032206.D\data.ms



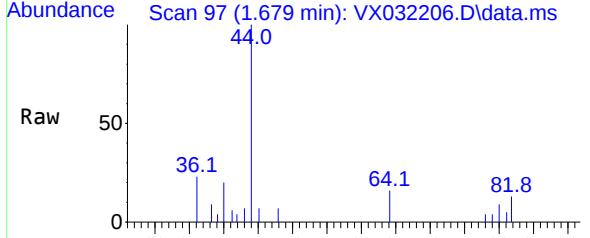
m/z--> Abundance Scan 86 (1.612 min): VX032206.D\data.ms (-37)



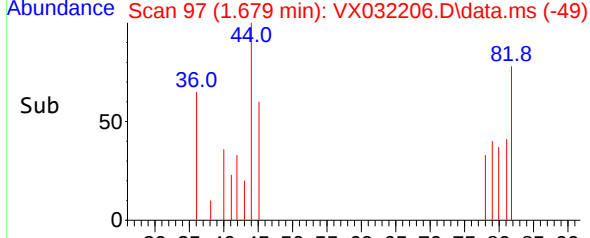
m/z--> Abundance Scan 98 (1.685 min): VX032201.D\data.ms (-89)



m/z--> Abundance Scan 97 (1.679 min): VX032206.D\data.ms



m/z--> Abundance Scan 97 (1.679 min): VX032206.D\data.ms (-49)



m/z--> Time-->

#5

Bromomethane

Concen: 0.388 ug/l

RT: 1.612 min Scan# 80

Delta R.T. -0.000 min

Lab File: VX032206.D

Acq: 19 Oct 2022 14:31

Instrument :

MSVOA_X

ClientSampleId :

VX1019MBL01

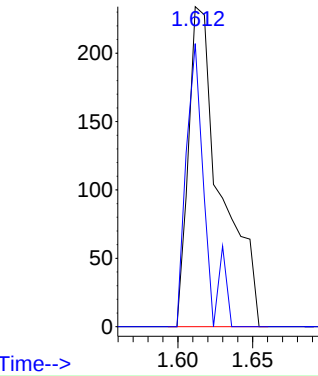
Tgt Ion: 94 Resp: 353

Ion Ratio Lower Upper

94 100

96 88.5 76.7 115.1

Abundance



#6

Chloroethane

Concen: 2.061 ug/l

RT: 1.679 min Scan# 97

Delta R.T. -0.006 min

Lab File: VX032206.D

Acq: 19 Oct 2022 14:31

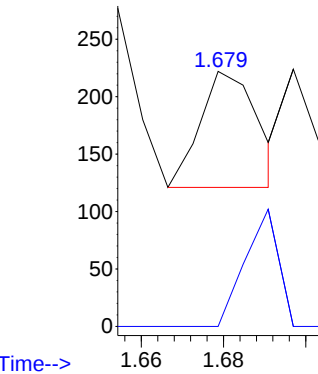
Tgt Ion: 64 Resp: 98

Ion Ratio Lower Upper

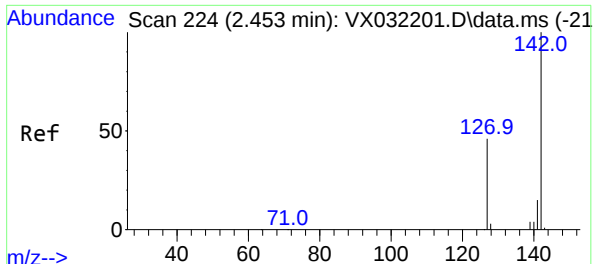
64 100

66 0.0 26.6 39.8#

Abundance



Time-->



#10

Methyl Iodide

Concen: 0.327 ug/l

RT: 2.453 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX032206.D

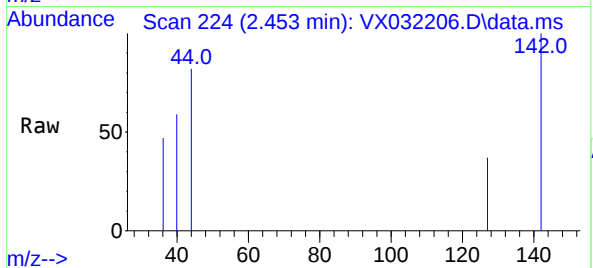
Acq: 19 Oct 2022 14:31

Instrument :

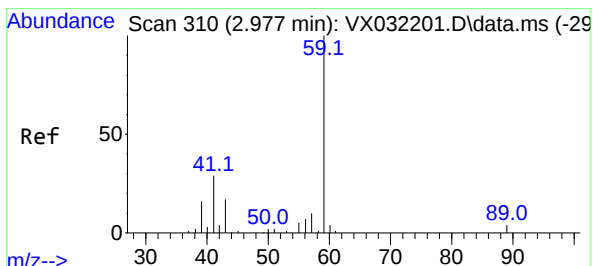
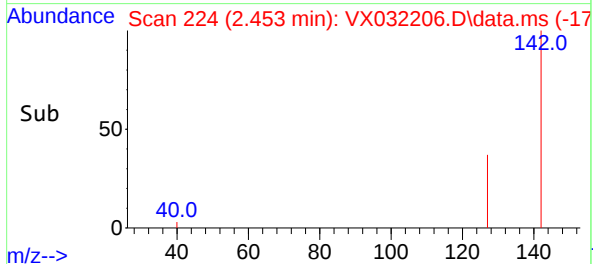
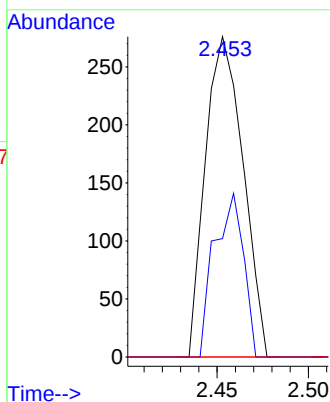
MSVOA_X

ClientSampleId :

VX1019MBL01



Tgt Ion:	142	Resp:	396
Ion	Ratio	Lower	Upper
142	100		
127	39.4	36.9	55.3
141	0.0	11.4	17.2#



#11

Tert butyl alcohol

Concen: Below Cal

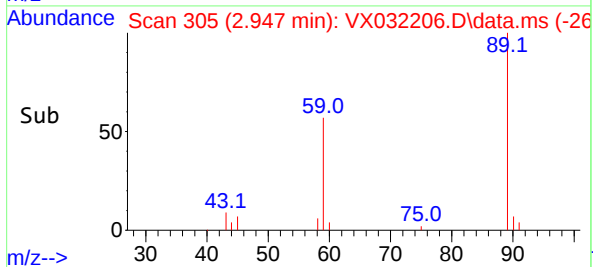
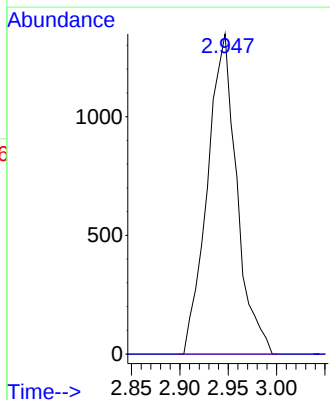
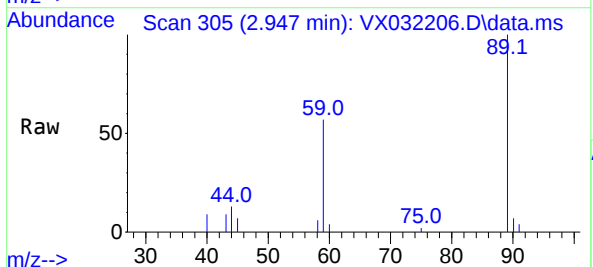
RT: 2.947 min Scan# 305

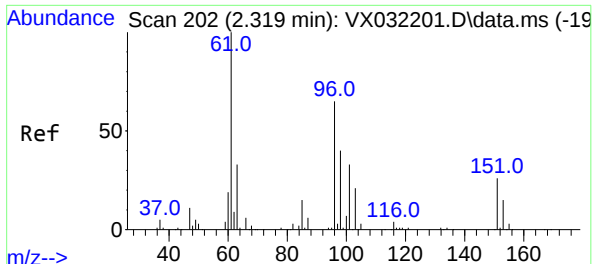
Delta R.T. -0.030 min

Lab File: VX032206.D

Acq: 19 Oct 2022 14:31

Tgt Ion:	59	Resp:	2857
Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.5	11.3#

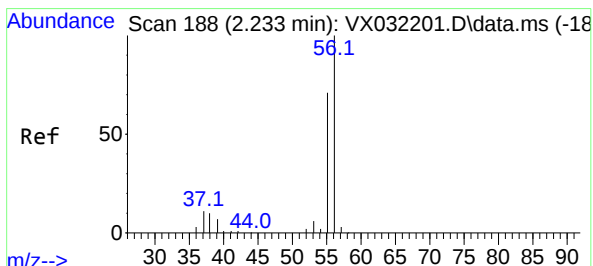
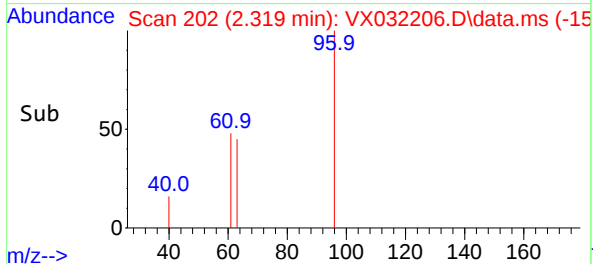
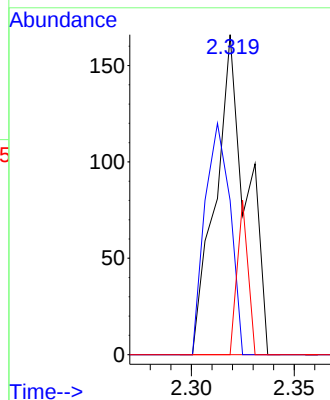
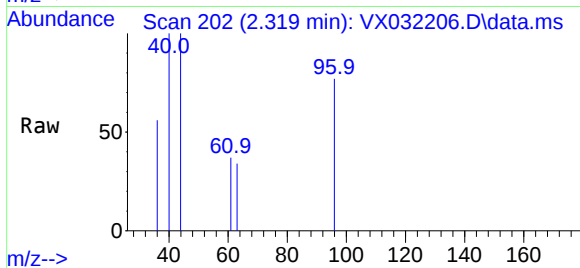




#12
1,1-Dichloroethene
Concen: 0.221 ug/l
RT: 2.319 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX032206.D
Acq: 19 Oct 2022 14:31

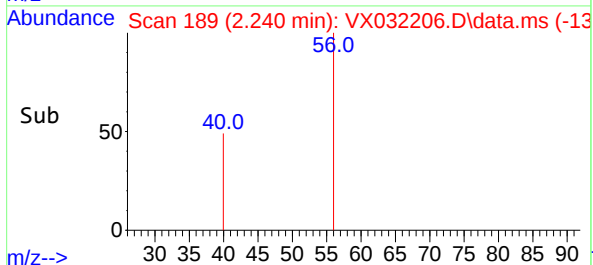
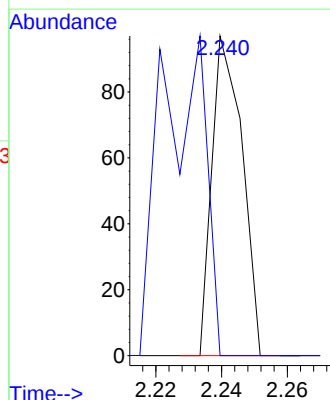
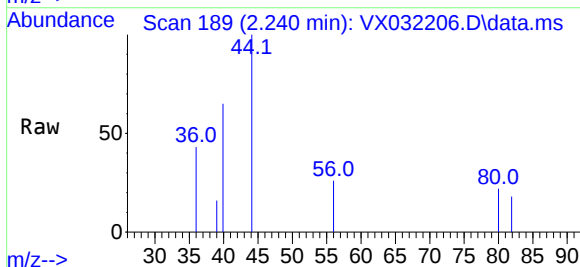
Instrument :
MSVOA_X
ClientSampleId :
VX1019MBL01

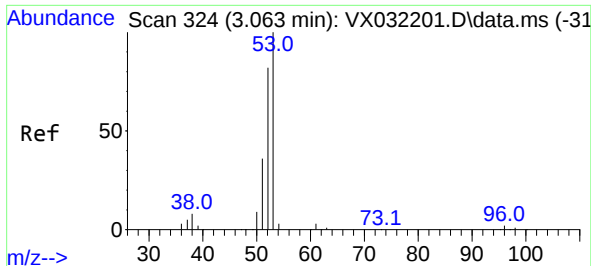
Tgt Ion: 96 Resp: 174
Ion Ratio Lower Upper
96 100
61 48.2 124.0 186.0#
98 0.0 50.0 75.0#



#13
Acrolein
Concen: 0.444 ug/l
RT: 2.240 min Scan# 189
Delta R.T. 0.007 min
Lab File: VX032206.D
Acq: 19 Oct 2022 14:31

Tgt Ion: 56 Resp: 62
Ion Ratio Lower Upper
56 100
55 145.2 56.4 84.6#

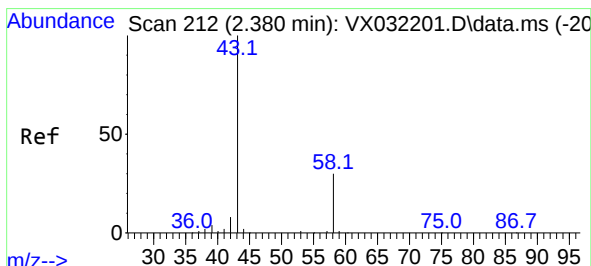
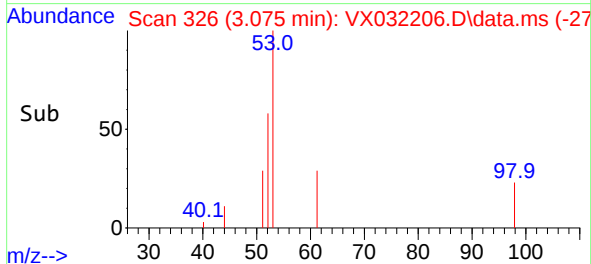
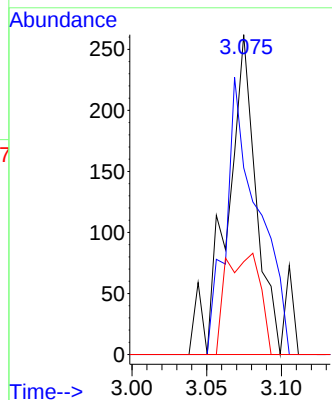
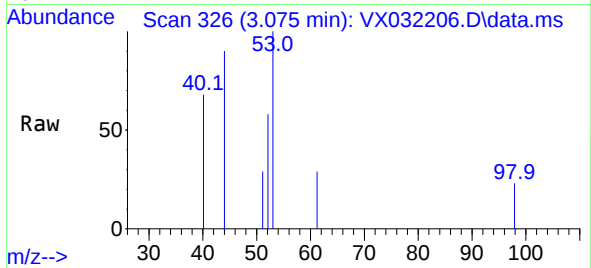




#15
Acrylonitrile
Concen: 0.828 ug/l
RT: 3.075 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX032206.D
Acq: 19 Oct 2022 14:31

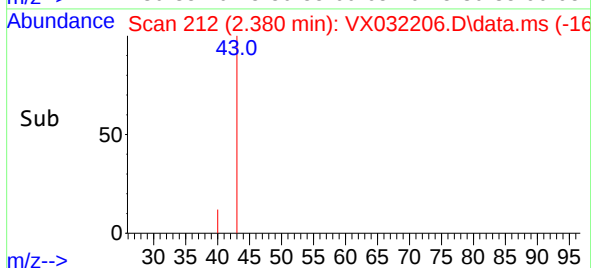
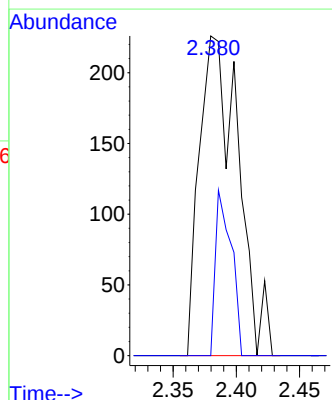
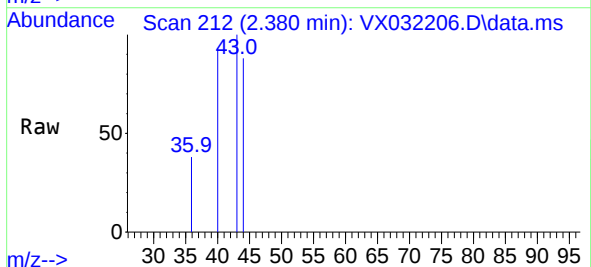
Instrument :
MSVOA_X
ClientSampleId :
VX1019MBL01

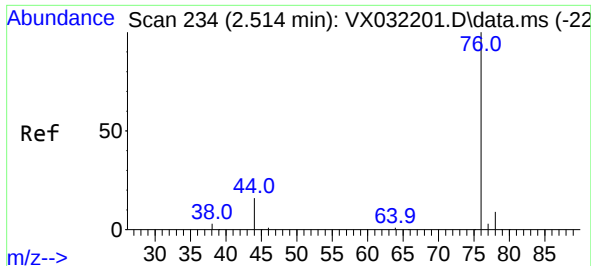
Tgt Ion: 53 Resp: 356
Ion Ratio Lower Upper
53 100
52 95.5 65.9 98.9
51 36.8 29.7 44.5



#16
Acetone
Concen: 1.293 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX032206.D
Acq: 19 Oct 2022 14:31

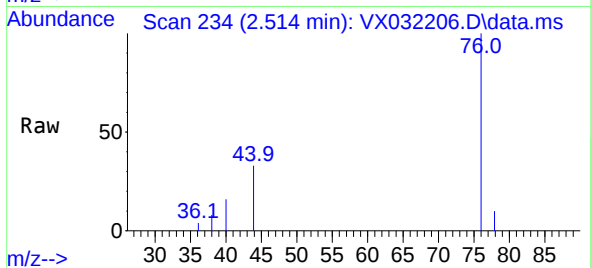
Tgt Ion: 43 Resp: 481
Ion Ratio Lower Upper
43 100
58 0.0 24.2 36.2#



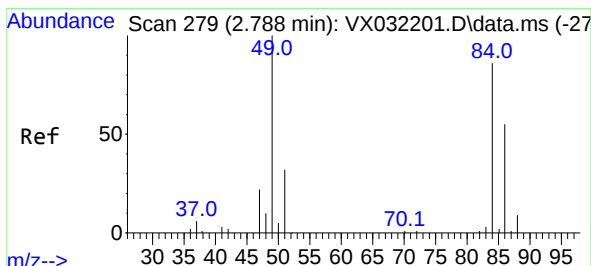
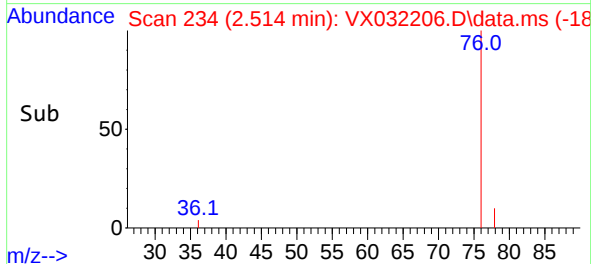
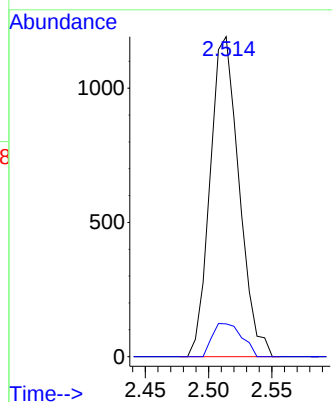


#17
Carbon Disulfide
Concen: 1.031 ug/l
RT: 2.514 min Scan# 217
Delta R.T. -0.000 min
Lab File: VX032206.D
Acq: 19 Oct 2022 14:31

Instrument :
MSVOA_X
ClientSampleId :
VX1019MBL01

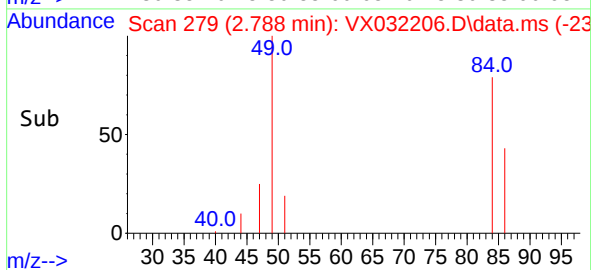
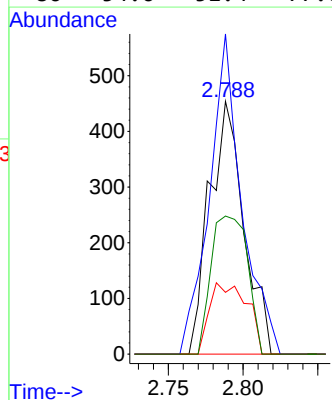
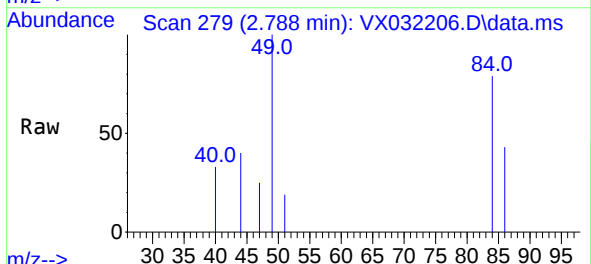


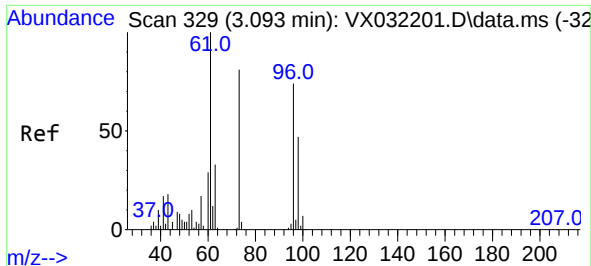
Tgt Ion: 76 Resp: 1899
Ion Ratio Lower Upper
76 100
78 10.2 7.6 11.4



#20
Methylene Chloride
Concen: 0.760 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX032206.D
Acq: 19 Oct 2022 14:31

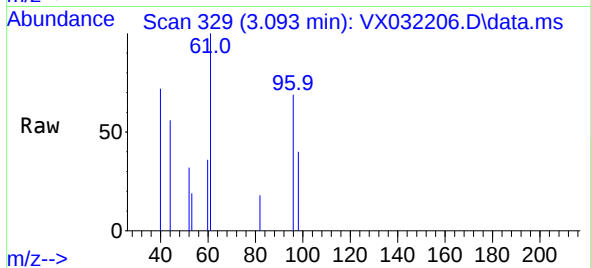
Tgt Ion: 84 Resp: 726
Ion Ratio Lower Upper
84 100
49 126.7 92.6 139.0
51 24.4 29.2 43.8#
86 54.6 51.4 77.0



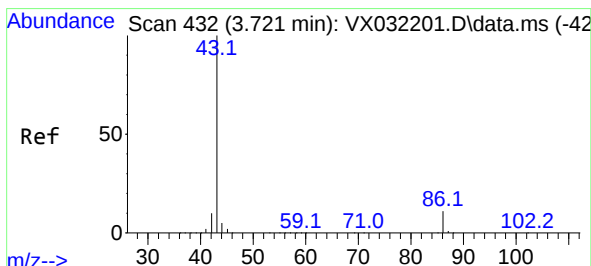
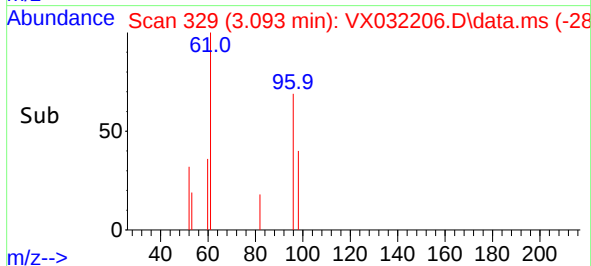
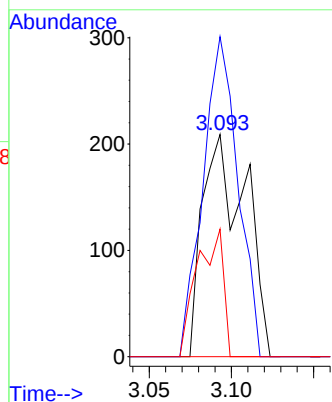


#21
trans-1,2-Dichloroethene
Concen: 0.444 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX032206.D
Acq: 19 Oct 2022 14:31

Instrument :
MSVOA_X
ClientSampleId :
VX1019MBL01

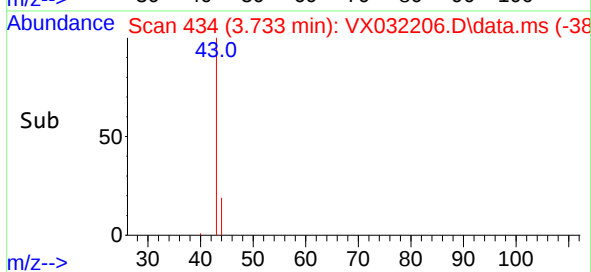
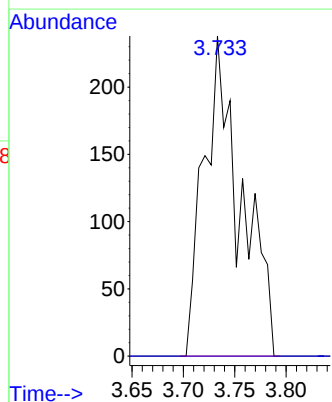
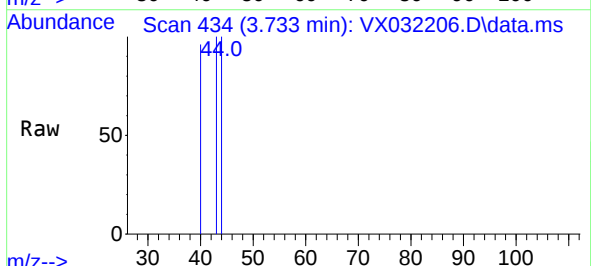


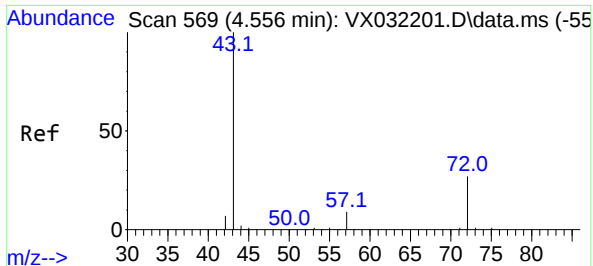
Tgt Ion: 96 Resp: 380
Ion Ratio Lower Upper
96 100
61 144.0 107.7 161.5
98 57.4 50.2 75.4



#23
Vinyl Acetate
Concen: 0.274 ug/l
RT: 3.733 min Scan# 434
Delta R.T. 0.012 min
Lab File: VX032206.D
Acq: 19 Oct 2022 14:31

Tgt Ion: 43 Resp: 593
Ion Ratio Lower Upper
43 100
86 0.0 8.6 13.0#





#25

2-Butanone

Concen: 0.976 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX032206.D

Acq: 19 Oct 2022 14:31

Instrument :

MSVOA_X

ClientSampleId :

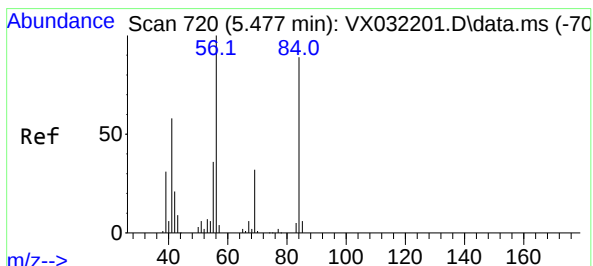
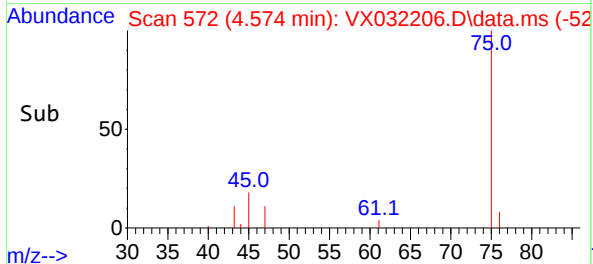
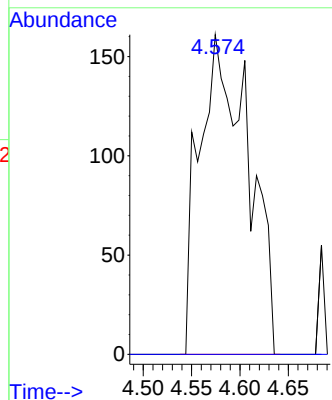
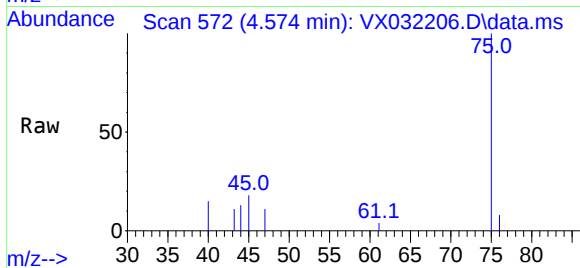
VX1019MBL01

Tgt Ion: 43 Resp: 567

Ion Ratio Lower Upper

43 100

72 0.0 21.7 32.5#



#31

Cyclohexane

Concen: 1.480 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.067 min

Lab File: VX032206.D

Acq: 19 Oct 2022 14:31

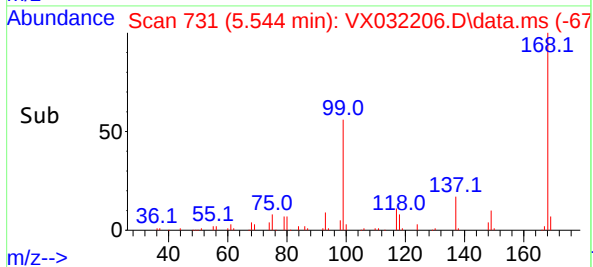
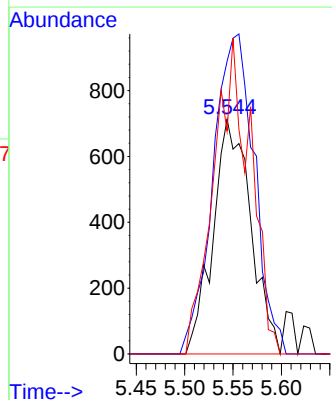
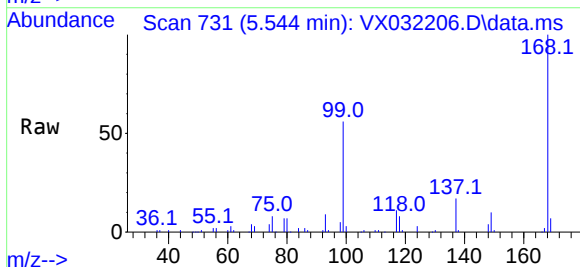
Tgt Ion: 56 Resp: 1940

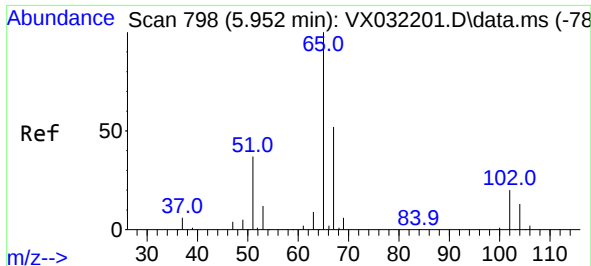
Ion Ratio Lower Upper

56 100

69 124.7 25.4 38.0#

84 95.0 71.2 106.8





#33

1,2-Dichloroethane-d4

Concen: 69.858 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX032206.D

Acq: 19 Oct 2022 14:31

Instrument :

MSVOA_X

ClientSampleId :

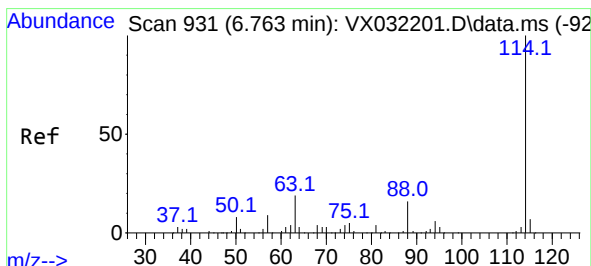
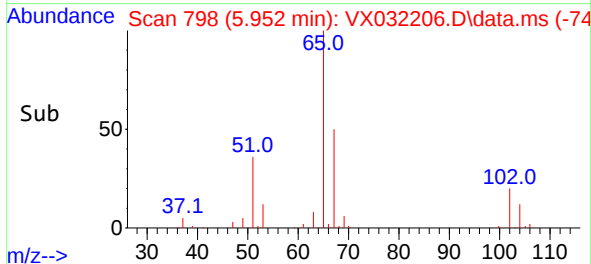
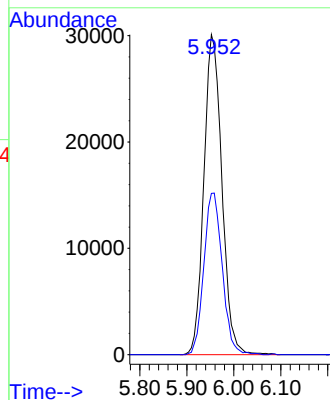
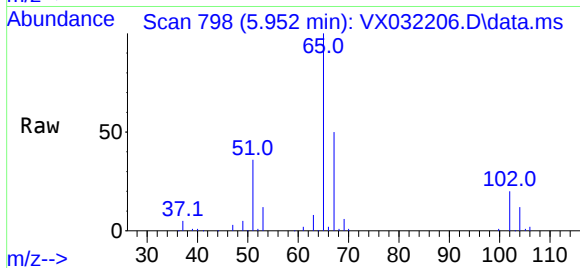
VX1019MBL01

Tgt Ion: 65 Resp: 80082

Ion Ratio Lower Upper

65 100

67 51.6 0.0 103.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX032206.D

Acq: 19 Oct 2022 14:31

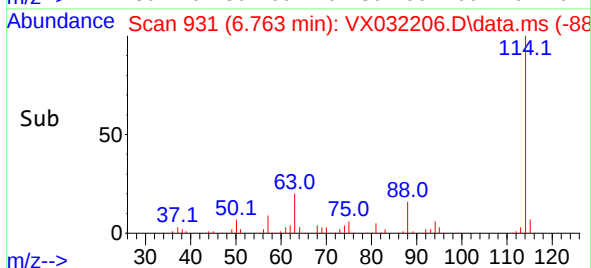
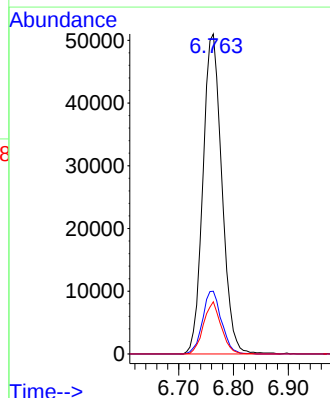
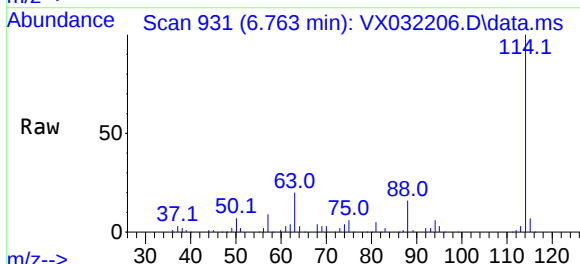
Tgt Ion: 114 Resp: 122128

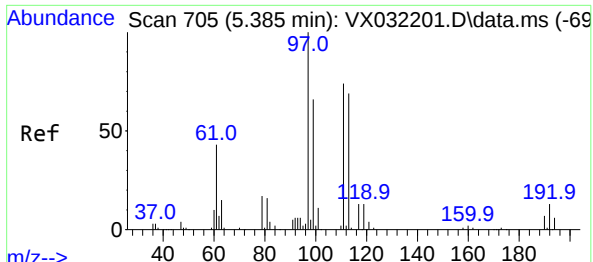
Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.6

88 16.3 0.0 32.6

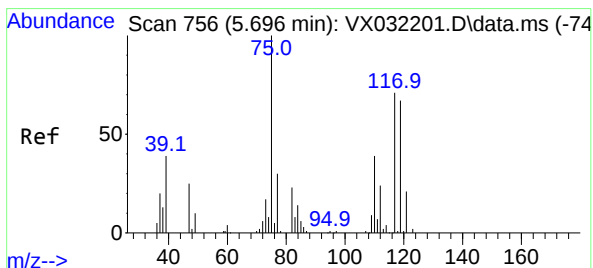
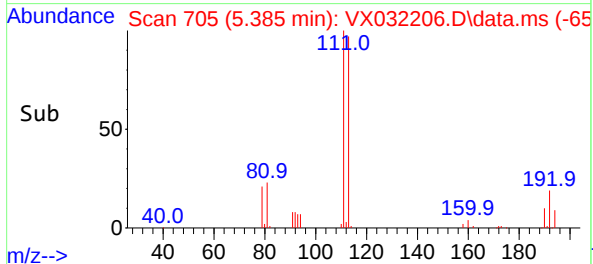
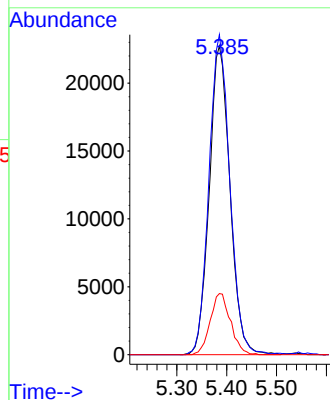
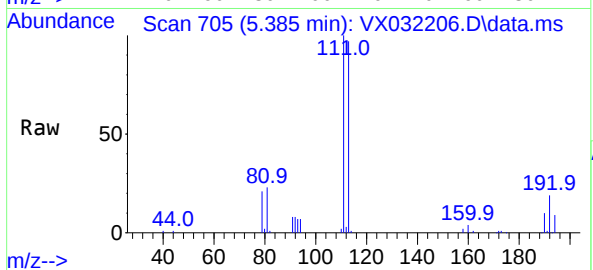




#35
Dibromofluoromethane
Concen: 77.224 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032206.D
Acq: 19 Oct 2022 14:31

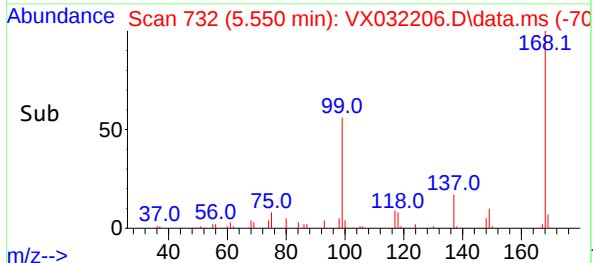
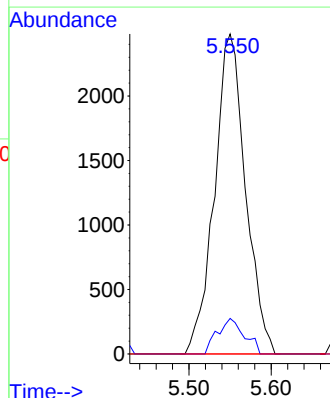
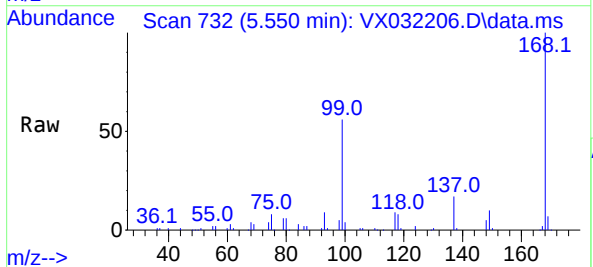
Instrument :
MSVOA_X
ClientSampleId :
VX1019MBL01

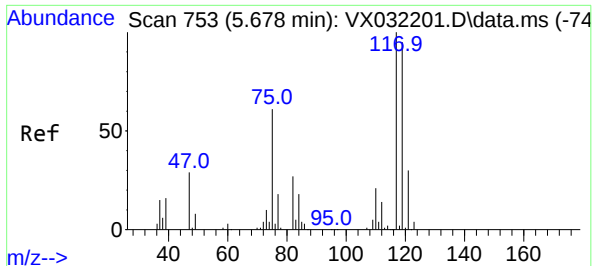
Tgt Ion:113 Resp: 65629
Ion Ratio Lower Upper
113 100
111 104.2 82.8 124.2
192 19.3 15.5 23.3



#36
1,1-Dichloropropene
Concen: 5.961 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX032206.D
Acq: 19 Oct 2022 14:31

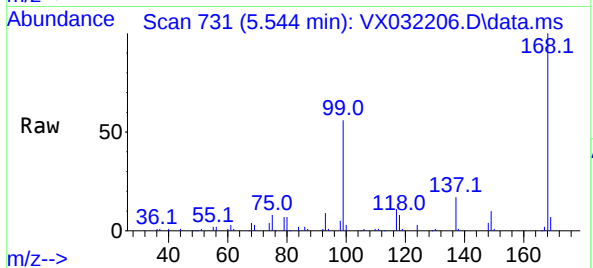
Tgt Ion: 75 Resp: 6517
Ion Ratio Lower Upper
75 100
110 9.6 18.4 55.0#
77 0.0 24.7 37.1#



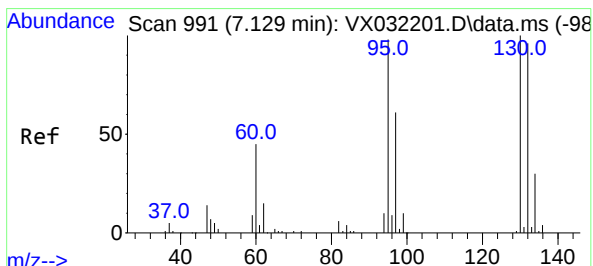
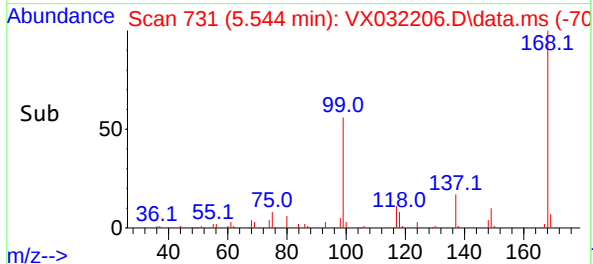
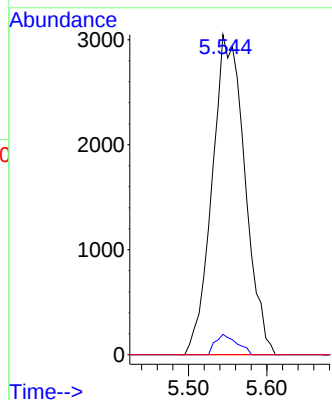


#38
Carbon Tetrachloride
Concen: 7.671 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX032206.D
Acq: 19 Oct 2022 14:31

Instrument :
MSVOA_X
ClientSampleId :
VX1019MBL01

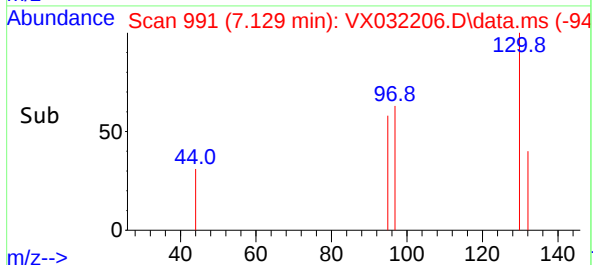
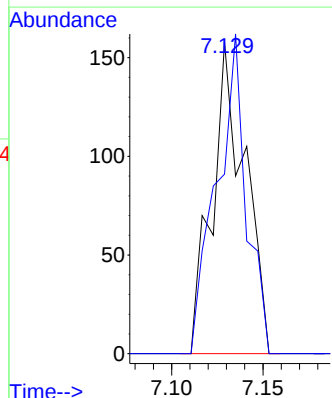
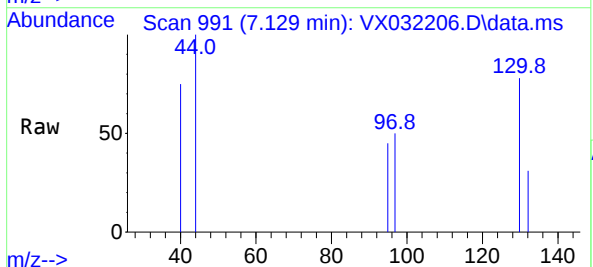


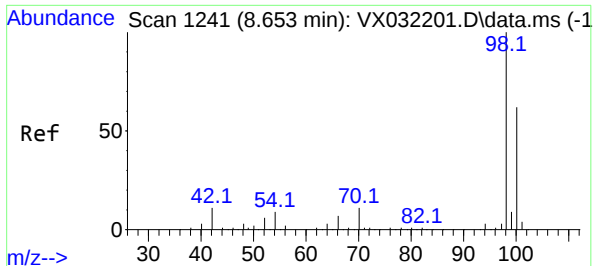
Tgt Ion:117 Resp: 8853
Ion Ratio Lower Upper
117 100
119 6.4 75.4 113.0#
121 0.0 23.9 35.9#



#44
Trichloroethene
Concen: 0.226 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX032206.D
Acq: 19 Oct 2022 14:31

Tgt Ion:130 Resp: 197
Ion Ratio Lower Upper
130 100
95 57.6 0.0 196.8





#50

Toluene-d8

Concen: 80.302 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX032206.D

Acq: 19 Oct 2022 14:31

Instrument :

MSVOA_X

ClientSampleId :

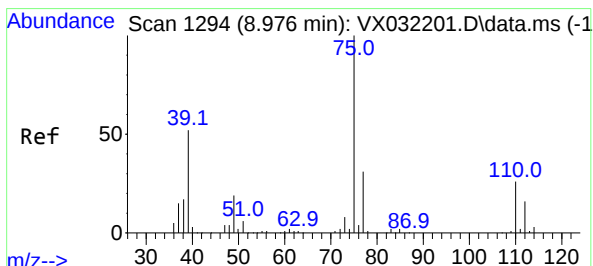
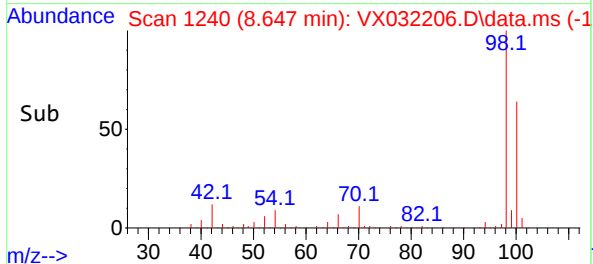
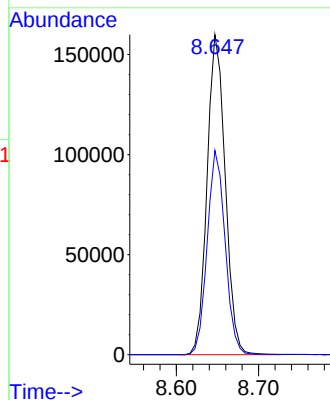
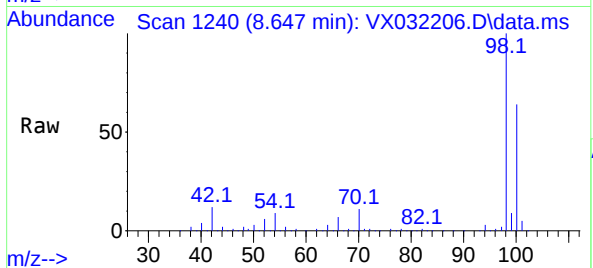
VX1019MBL01

Tgt Ion: 98 Resp: 245660

Ion Ratio Lower Upper

98 100

100 63.1 50.7 76.1



#53

t-1,3-Dichloropropene

Concen: 1.939 ug/l

RT: 8.982 min Scan# 1295

Delta R.T. 0.006 min

Lab File: VX032206.D

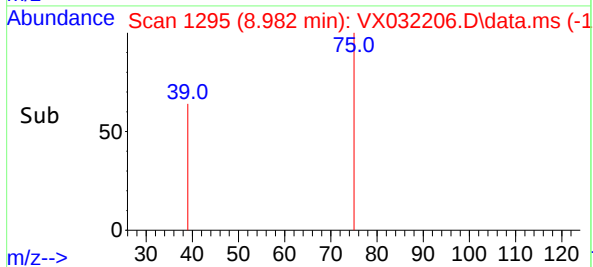
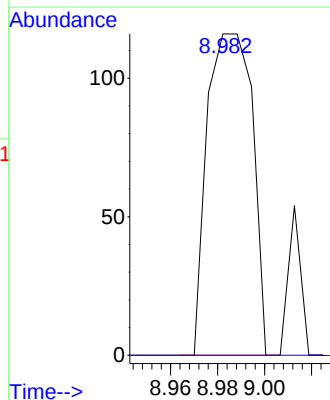
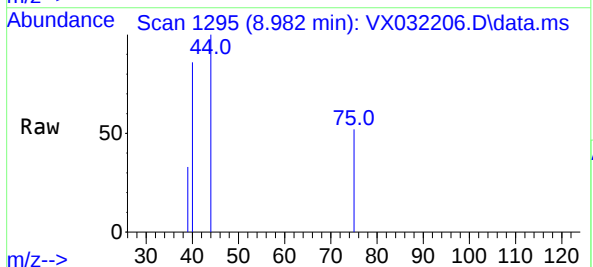
Acq: 19 Oct 2022 14:31

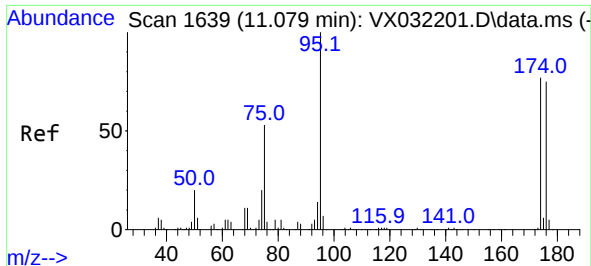
Tgt Ion: 75 Resp: 155

Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#

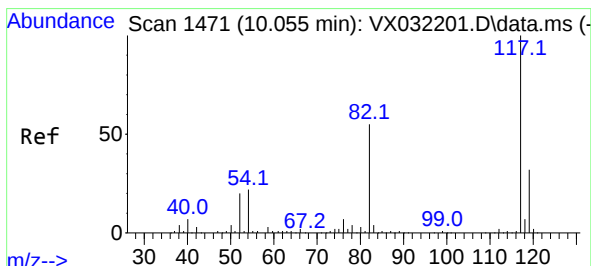
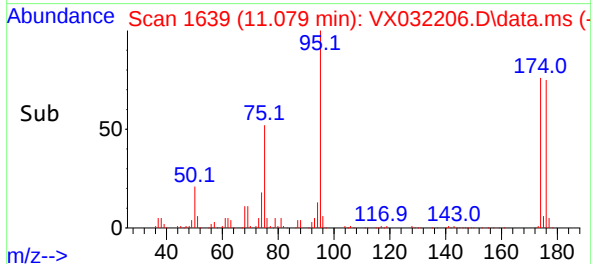
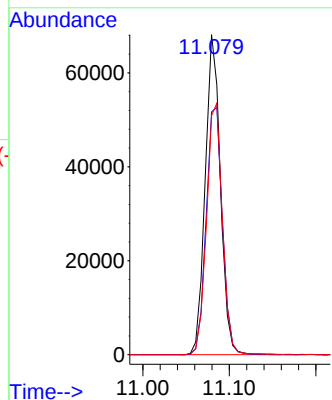
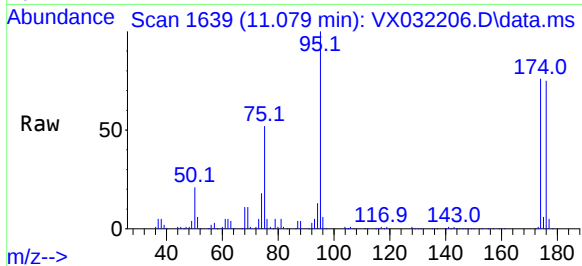




#62
4-Bromofluorobenzene
Concen: 74.007 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032206.D
Acq: 19 Oct 2022 14:31

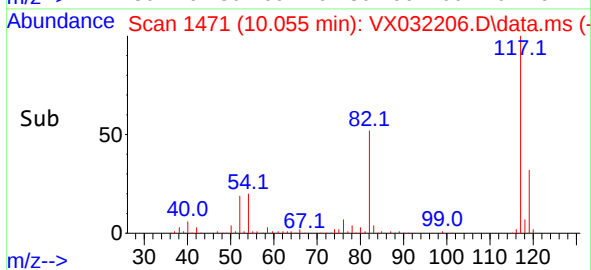
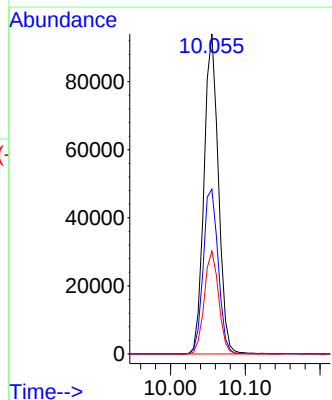
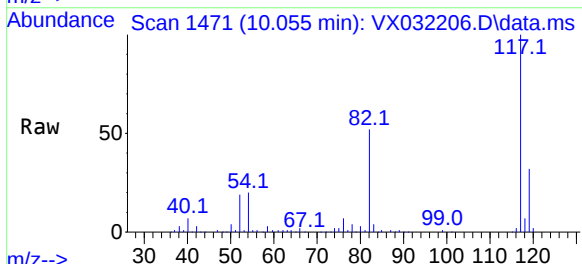
Instrument :
MSVOA_X
ClientSampleId :
VX1019MBL01

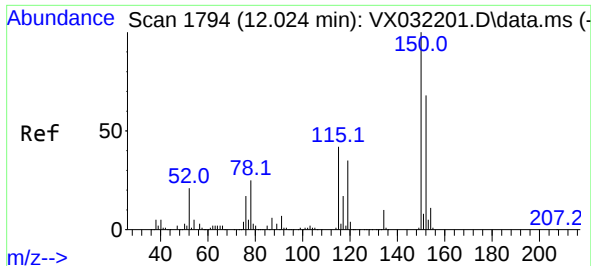
Tgt Ion: 95 Resp: 82905
Ion Ratio Lower Upper
95 100
174 82.9 0.0 166.8
176 81.7 0.0 161.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032206.D
Acq: 19 Oct 2022 14:31

Tgt Ion: 117 Resp: 125650
Ion Ratio Lower Upper
117 100
82 51.5 44.2 66.4
119 32.2 25.8 38.8

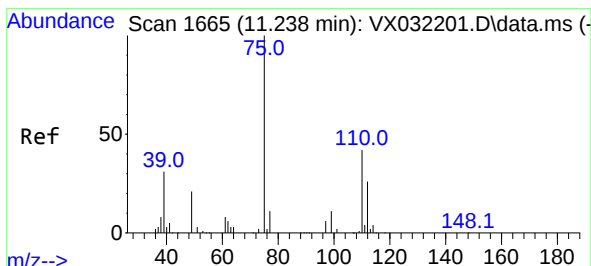
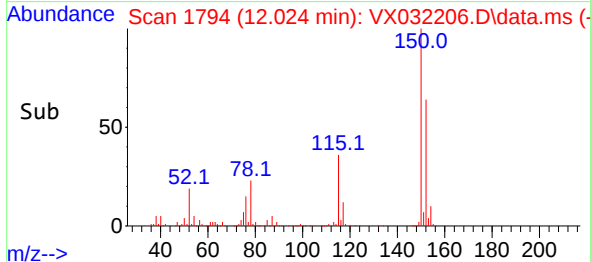
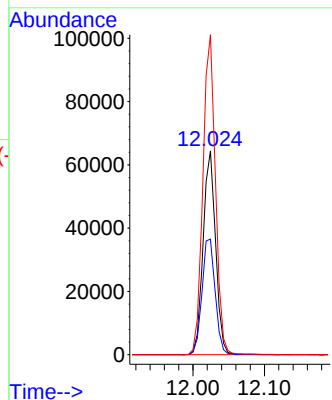
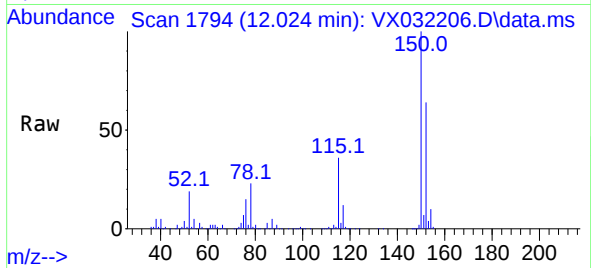




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032206.D
Acq: 19 Oct 2022 14:31

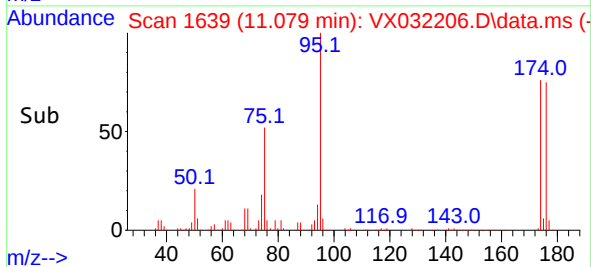
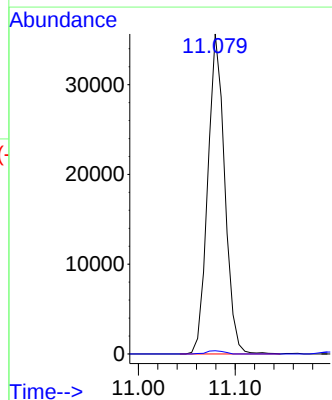
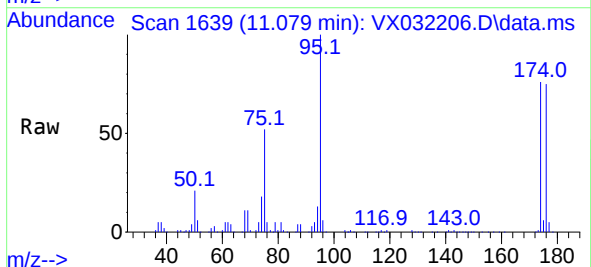
Instrument :
MSVOA_X
ClientSampleId :
VX1019MBL01

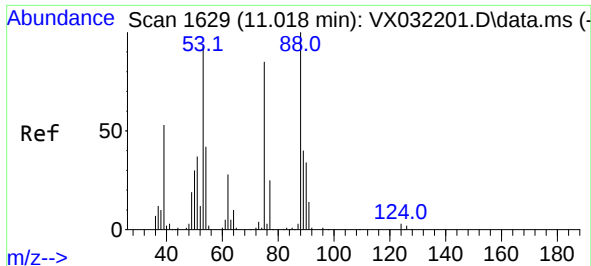
Tgt Ion:152 Resp: 78272
Ion Ratio Lower Upper
152 100
115 59.8 43.1 129.4
150 157.8 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 28.048 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX032206.D
Acq: 19 Oct 2022 14:31

Tgt Ion: 75 Resp: 43500
Ion Ratio Lower Upper
75 100
77 1.1 16.0 47.9#

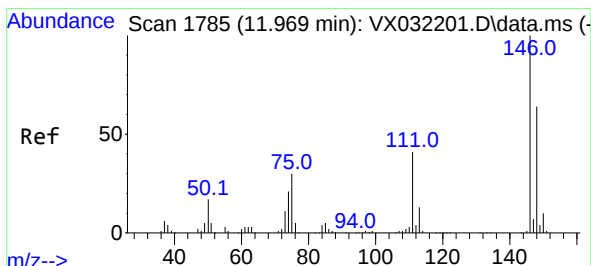
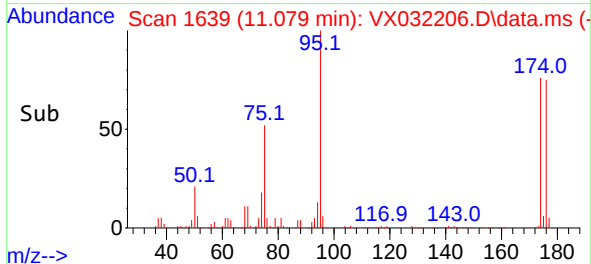
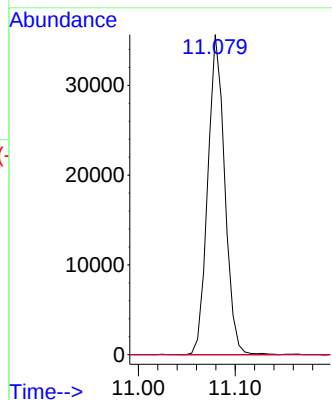
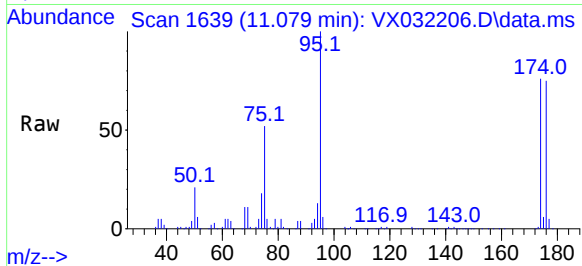




#81
trans-1,4-Dichloro-2-butene
Concen: 86.013 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032206.D
Acq: 19 Oct 2022 14:31

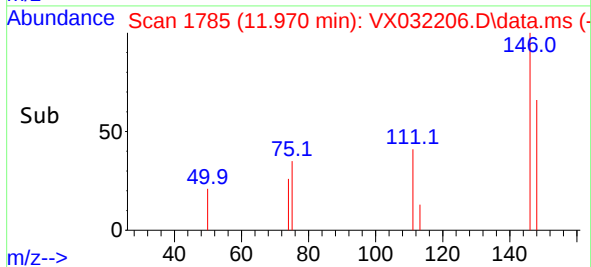
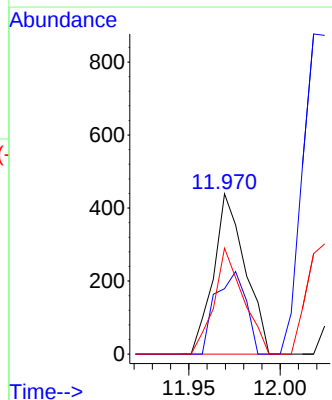
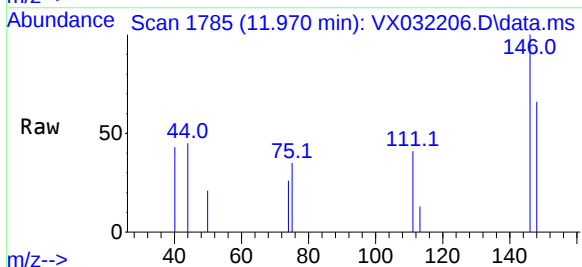
Instrument :
MSVOA_X
ClientSampleId :
VX1019MBL01

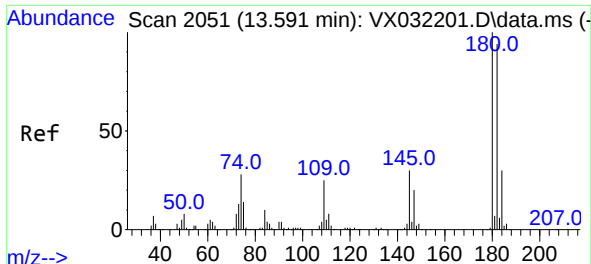
Tgt Ion: 75 Resp: 43500
Ion Ratio Lower Upper
75 100
53 0.0 87.8 131.8#
89 0.0 37.8 56.8#



#87
1,3-Dichlorobenzene
Concen: 0.201 ug/l
RT: 11.970 min Scan# 1785
Delta R.T. 0.001 min
Lab File: VX032206.D
Acq: 19 Oct 2022 14:31

Tgt Ion:146 Resp: 530
Ion Ratio Lower Upper
146 100
111 49.2 20.3 61.0
148 61.1 32.0 96.2

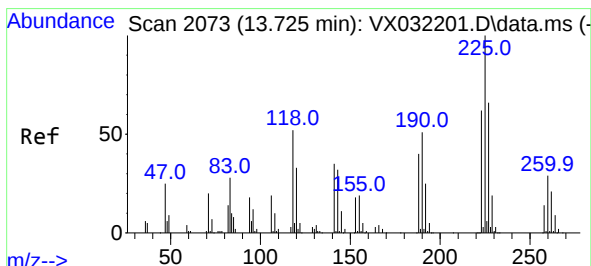
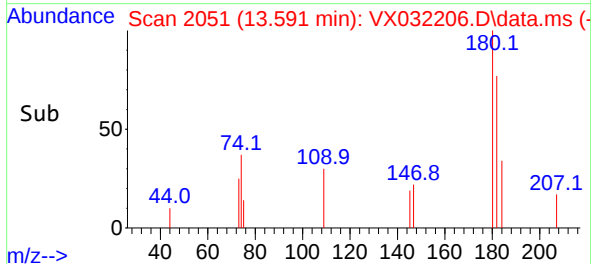
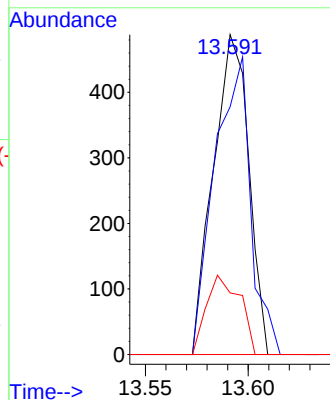
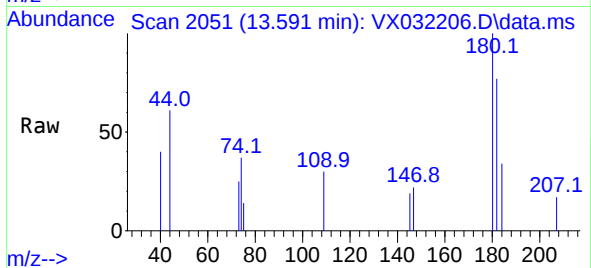




#93
1,2,4-Trichlorobenzene
Concen: 0.347 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX032206.D
Acq: 19 Oct 2022 14:31

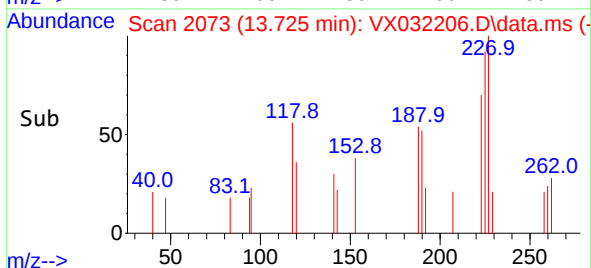
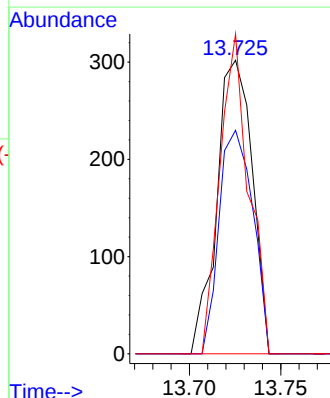
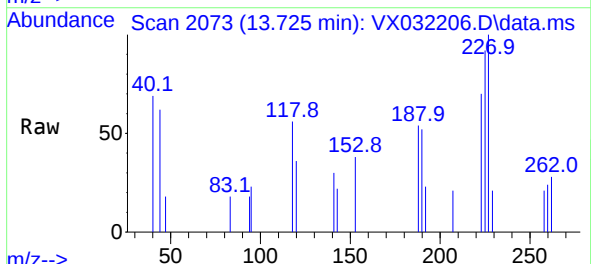
Instrument :
MSVOA_X
ClientSampleId :
VX1019MBL01

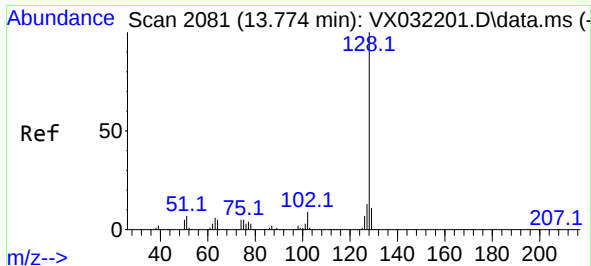
Tgt Ion:180	Resp:	584
Ion	Ratio	Lower Upper
180	100	
182	94.7	46.8 140.3
145	23.5	15.6 46.7



#94
Hexachlorobutadiene
Concen: 0.561 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX032206.D
Acq: 19 Oct 2022 14:31

Tgt Ion:225	Resp:	410
Ion	Ratio	Lower Upper
225	100	
223	72.2	31.4 94.3
227	88.5	32.0 96.0

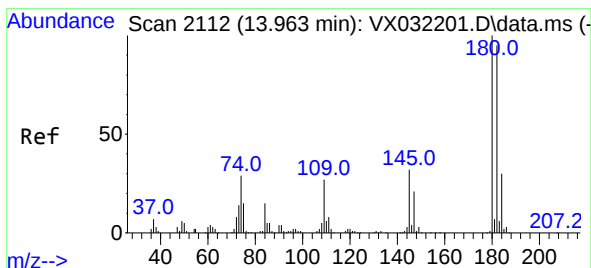
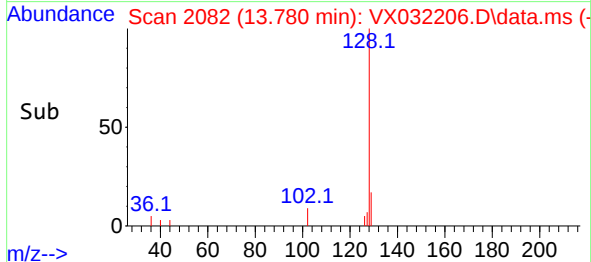
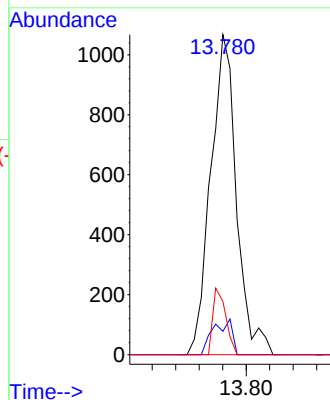
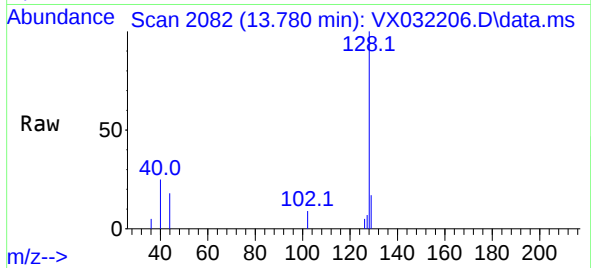




#95
Naphthalene
Concen: 0.301 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX032206.D
Acq: 19 Oct 2022 14:31

Instrument :
MSVOA_X
ClientSampleId :
VX1019MBL01

Tgt Ion:128 Resp: 1625
Ion Ratio Lower Upper
128 100
127 8.2 10.3 15.5#
129 10.3 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.373 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX032206.D
Acq: 19 Oct 2022 14:31

Tgt Ion:180 Resp: 632
Ion Ratio Lower Upper
180 100
182 68.0 47.4 142.2
145 31.2 16.5 49.5

